

WHAT IS CLAIMED IS:

1. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements, the inspection-use display signal line being a common inspection-use display signal line provided for the data-line inspection-use switching elements; and

a plurality of data-line inspection-use control signal lines for inputting control signals for switching on/off the data-line inspection-use switching elements, the plurality of data-line inspection-use control signal lines being provided for the data-line inspection-use switching elements so that different control signals are inputted to adjacent data lines.

2. The active-matrix-type liquid crystal display panel as set forth in claim 1,

wherein the plurality of data-line inspection-use control signal lines are connected to the data lines through the data-line inspection-use switching elements in correspondence with a plurality of display colors of pixels.

3. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements; and

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines.

4. The active-matrix-type liquid crystal display panel as set forth in claim 3,

wherein the plurality of inspection-use display signal lines are connected to the data lines through the data-line inspection-use switching elements in correspondence with a plurality of display colors of pixels.

5. The active-matrix-type liquid crystal display panel as set forth in claim 1, further comprising:

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines; and

an inspection-use scanning signal line for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements, the inspection-use scanning signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines.

6. The active-matrix-type liquid crystal display panel as set forth in claim 3, further comprising:

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines; and

an inspection-use scanning signal line for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements, the inspection-use scanning signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines.

7. The active-matrix-type liquid crystal display panel as set forth in claim 5,

wherein a plurality of inspection-use scanning signal lines are provided so that different inspection-use scanning signals are inputted to adjacent scanning lines.

8. The active-matrix-type liquid crystal display panel as set forth in claim 6,

wherein a plurality of inspection-use scanning signal lines are provided so that different inspection-use scanning signals are inputted to adjacent scanning lines.

9. The active-matrix-type liquid crystal display panel as set forth in claim 8,

wherein, when the data-line inspection-use switching elements and the scanning-line inspection-use switching elements are switched on, a resistance value between a source and a drain of each of the data-line inspection-use switching elements and the scanning-line inspection-use switching elements is not more than 5% of a leakage resistance value between either adjacent scanning lines, adjacent data lines, or the scanning line and the data line.

10. The active-matrix-type liquid crystal display panel as set forth in claim 8,

wherein, when the data-line inspection-use switching elements and the scanning-line inspection-use switching elements are switched on, a resistance value between a source and a drain of each of the data-line

inspection-use switching elements and the scanning-line inspection-use switching elements is not more than 500 k $\Omega$ .

11. The active-matrix-type liquid crystal display panel as set forth in claim 6, further comprising auxiliary capacity wiring provided between adjacent scanning lines in parallel with the scanning lines,

wherein, when the data-line inspection-use switching elements and the scanning-line inspection-use switching elements are switched on, a resistance value between a source and a drain of each of the data-line inspection-use switching elements and the scanning-line inspection-use switching elements is not more than 5% of a leakage resistance value between either adjacent scanning lines, adjacent data lines, or any two lines of the scanning line, the data line, and the auxiliary capacity wiring.

12. The active-matrix-type liquid crystal display panel as set forth in claim 6, further comprising auxiliary capacity wiring provided between adjacent scanning lines in parallel with the scanning lines,

wherein, when the data-line inspection-use switching elements and the scanning-line inspection-use

switching elements are switched on, a resistance value between a source and a drain of each of the data-line inspection-use switching elements and the scanning-line inspection-use switching elements is not more than 500 k $\Omega$ .

13. The active-matrix-type liquid crystal display panel as set forth in claim 5,

wherein the data-line inspection-use control signal lines and the scanning-line inspection-use control signal line are electrically connected to each other on the insulating substrate.

14. The active-matrix-type liquid crystal display panel as set forth in claim 6,

wherein the data-line inspection-use control signal line and the scanning-line inspection-use control signal line are electrically connected to each other on the insulating substrate.

15. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the



pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements;

wherein a voltage for switching off the data-line inspection-use switching elements is applied to the data-line inspection-use control signal line while the liquid crystal display panel is driven.

16. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for

switching on/off the scanning-line inspection-use switching elements;

wherein a voltage for switching off the scanning-line inspection-use switching elements is applied to the scanning-line inspection-use control signal line while the liquid crystal display panel is driven.

17. The active-matrix-type liquid crystal display panel as set forth in claim 15, further comprising on the insulating substrate:

an external circuit for driving the liquid crystal display panel; and

wiring for driving the external circuit, the wiring including: first wiring for applying a ground potential; second wiring to which a voltage for switching off a switching element inside a logic of the external circuit is applied; and third wiring to which a voltage for defining a low level of an output voltage of the external circuit is applied;

wherein the data-line inspection-use control signal line is connected to any one of the first to third wiring.

18. The active-matrix-type liquid crystal display panel as set forth in claim 16, further comprising on

the insulating substrate:

an external circuit for driving the liquid crystal display panel; and

wiring for driving the external circuit, the wiring including: first wiring for applying a ground potential; second wiring to which a voltage for switching off a switching element inside a logic of the external circuit is applied; and third wiring to which a voltage for defining a low level of an output voltage of the external circuit is applied;

wherein the scanning-line inspection-use control signal line is connected to any one of the first to third wiring.

19. The active-matrix-type liquid crystal display panel as set forth in claim 17, further comprising a resistive element between one of the first to third wiring, connected to the data-line inspection-use control signal line, and the data-line inspection-use switching elements to which the data-line inspection-use control signal line is connected.

20. The active-matrix-type liquid crystal display panel as set forth in claim 18, further comprising a resistive element between one of the first to third

wiring, connected to the scanning-line inspection-use control signal line, and the scanning-line inspection-use switching elements to which the scanning-line inspection-use control signal line is connected.

21. The active-matrix-type liquid crystal display panel as set forth in claim 19,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

22. The active-matrix-type liquid crystal display panel as set forth in claim 20,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

23. The active-matrix-type liquid crystal display panel as set forth in claim 21,

wherein the resistive element is formed by a plurality of the non-linear elements connected to each other in series.

24. The active-matrix-type liquid crystal display panel as set forth in claim 22,

wherein the resistive element is formed by a plurality of the non-linear elements connected to each other in series.

25. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use

switching elements;

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements; and

a resistive element between a signal input point of the data-line inspection-use control signal line and the data-line inspection-use switching elements.

26. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning

lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements;

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements; and

a resistive element between a signal input point of the scanning-line inspection-use control signal line and the scanning-line inspection-use switching elements.

27. The active-matrix-type liquid crystal display panel as set forth in claim 25,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

28. The active-matrix-type liquid crystal display panel as set forth in claim 26,



wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

29. The active-matrix-type liquid crystal display panel as set forth in claim 27,

wherein the resistive element is formed by a plurality of the non-linear elements connected to each other in series.

30. The active-matrix-type liquid crystal display panel as set forth in claim 28,

wherein the resistive element is formed by a plurality of the non-linear elements connected to each other in series.

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31. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements for controlling a supply of an inspection-use display signal, the data-line inspection-use switching elements being individually connected to the plurality of data lines and provided on a side opposite to a region where an external circuit for driving the data lines is provided;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements.

w/D 32. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes;

pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements for controlling a supply of an inspection-use scanning signal, the scanning-line inspection-use switching elements being individually connected to the plurality of scanning lines and provided on a side opposite to a region where an external circuit for driving the scanning lines is provided;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use

switching elements.

33. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements for controlling a supply of an inspection-use display signal, the data-line inspection-use switching elements being shaded and individually connected to the plurality of data lines;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements.

34. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements for controlling a supply of an inspection-use scanning signal, the scanning-line inspection-use switching elements being shaded and individually connected to the plurality of scanning lines;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching

elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements.

35. The active-matrix-type liquid crystal display panel as set forth in claim 33,

wherein the data-line inspection-use switching elements are provided so as to face a shading film formed on the opposing substrate.

36. The active-matrix-type liquid crystal display panel as set forth in claim 34,

wherein the scanning-line inspection-use switching elements are provided so as to face a shading film formed on the opposing substrate.

37. The active-matrix-type liquid crystal display panel as set forth in claim 1,

wherein the data-line inspection-use control signal lines and the inspection-use display signal line

have input terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being located on a single side or opposing two sides of the active matrix substrate.

38. The active-matrix-type liquid crystal display panel as set forth in claim 3,

wherein the data-line inspection-use control signal lines and the inspection-use display signal line have input terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being located on a single side or opposing two sides of the active matrix substrate.

39. The active-matrix-type liquid crystal display panel as set forth in claim 5,

wherein the data-line inspection-use control signal line, the scanning-line inspection-use control signal line, the inspection-use display signal lines, and the inspection-use scanning signal line have input terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being

located on a single side or opposing two sides of the active matrix substrate.

40. The active-matrix-type liquid crystal display panel as set forth in claim 39,

wherein the input terminals of the data-line inspection-use control signal line, the scanning-line inspection-use control signal line, the inspection-use display signal lines and the inspection-use scanning signal line and the input terminal for inputting the signal to the common electrode in inspecting the liquid crystal display panel are provided closely to each other within a specific region on one side of the active matrix substrate.

41. The active-matrix-type liquid crystal display panel as set forth in claim 37,

wherein, when the liquid crystal display panel is completed, conductive parts of the input terminals of the data-line inspection-use control signal lines and the inspection-use display signal line and a conductive part of the input terminal for inputting the signal to the common electrode in inspecting the liquid crystal display panel are covered with an insulating body.



42. The active-matrix-type liquid crystal display panel as set forth in claim 38,

wherein, when the liquid crystal display panel is completed, a conductive part of the input terminals of the scanning-line inspection-use control signal line and the inspection-use scanning signal line and a conductive part of the input terminal for inputting the signal to the common electrode in inspecting the liquid crystal display panel are covered with an insulating body.

43. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements for

controlling a supply of an inspection-use display signal, the data-line inspection-use switching elements being individually connected to the plurality of data lines, and being subjected to a treatment for positively shifting a threshold value thereof after inspecting the liquid crystal display panel, so that the threshold value is set higher than a threshold value of the pixel switching element when the liquid crystal display panel is driven;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements.

44. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and

a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, for controlling a supply of an inspection-use scanning signal, the scanning-line inspection-use switching elements being individually connected to the plurality of scanning lines, and being subjected to a treatment for positively shifting a threshold value thereof after inspecting the liquid crystal display panel, so that the threshold value is set higher than a threshold value of the pixel switching element when the liquid crystal display panel is driven;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for

switching on/off the scanning-line inspection-use switching elements.

45. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

a plurality of inspection-use display signal lines for supplying inspection-use display signals, the plurality of inspection-use display signal lines being provided for the plurality of data lines so that different display signals are inputted to adjacent data lines; and

a resistive element provided between the adjacent data lines;

wherein  $R < (rd/8)/(n/k)$  is satisfied where  $rd$  is

a resistance value of each resistive element,  $n$  is a number of the data lines,  $k$  is a number of the inspection-use display signal lines, and  $R$  is a resistance value of the inspection-use display signal lines.

46. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

a plurality of inspection-use scanning signal lines for supplying an inspection-use scanning signal, the plurality of inspection-use scanning signal lines being provided for the plurality of scanning lines so that different scanning signals are inputted to adjacent scanning lines; and

a resistive element provided between the adjacent scanning lines;

wherein  $R < (rd/8)/(n/k)$  is satisfied where  $rd$  is a resistance value of each resistive element,  $n$  is a number of the scanning lines,  $k$  is a number of the inspection-use scanning signal lines, and  $R$  is a resistance value of the inspection-use scanning signal lines.

47. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display

signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements;

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines; and

a resistive element provided between adjacent data lines;

wherein  $R < (rd/8 - 2rtr)/(n/k)$  is satisfied where  $rd$  is a resistance value of each resistive element,  $rtr$  is a resistance value of each data-line inspection-use switching element,  $n$  is a number of the data lines,  $k$  is a number of the inspection-use display signal lines, and  $R$  is a resistance value of the inspection-use display signal lines.

48. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being a common scanning-line inspection-use control signal line provided for the scanning-line inspection-use switching elements;

a plurality of inspection-use scanning signal



lines for supplying inspection-use scanning signals to the scanning lines through the scanning-line inspection-use switching elements, the plurality of inspection-use scanning signal line being provided for the scanning-line inspection-use switching elements so that different scanning signals are inputted to adjacent scanning lines; and

a resistive element provided between the adjacent scanning lines;

wherein  $R < (rd/8 - 2rtr)/(n/k)$  is satisfied where  $rd$  is a resistance value of each resistive element,  $rtr$  is a resistance value of each scanning-line inspection-use switching element,  $n$  is a number of the scanning lines,  $k$  is a number of the inspection-use scanning signal lines, and  $R$  is a resistance value of the inspection-use scanning signal lines.

49. The active-matrix-type liquid crystal display panel as set forth in claim 45,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching element.

50. The active-matrix-type liquid crystal display panel as set forth in claim 46,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching element.

51. The active-matrix-type liquid crystal display panel as set forth in claim 47,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching element.

52. The active-matrix-type liquid crystal display panel as set forth in claim 48,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching element.

53. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

a plurality of inspection-use display signal lines for supplying inspection-use display signals, the plurality of inspection-use display signal lines being provided for the plurality of data lines so that different display signals are inputted to adjacent data lines; and

a resistive element provided between data lines connected to a same inspection-use display signal line.

54. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer

therebetween;

a plurality of inspection-use scanning signal lines for supplying inspection-use scanning signals, the plurality of inspection-use scanning signal lines being provided for the plurality of scanning lines so that different scanning signals are inputted to adjacent scanning lines; and

a resistive element provided between scanning lines connected to a same inspection-use scanning signal line.

55. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements,

individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements;

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines; and

a resistive element provided between data lines connected to a same inspection-use display signal line through the data-line inspection-use switching elements.

56. An active-matrix-type liquid crystal display panel comprising:

an active matrix substrate including on an

insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate including a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being a common scanning-line inspection-use control signal line provided for the scanning-line inspection-use switching elements;

a plurality of inspection-use scanning signal lines for supplying inspection-use scanning signals to the scanning lines through the scanning-line inspection-use switching elements, the plurality of

inspection-use scanning signal line being provided for the scanning-line inspection-use switching elements so that different scanning signals are inputted to adjacent scanning lines; and

a resistive element provided between scanning lines connected to a same inspection-use scanning signal line through the scanning-line inspection-use switching elements.

57. The active-matrix-type liquid crystal display panel as set forth in claim 53,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

58. The active-matrix-type liquid crystal display panel as set forth in claim 54,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

59. The active-matrix-type liquid crystal display panel as set forth in claim 55,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the

pixel switching elements.

60. The active-matrix-type liquid crystal display panel as set forth in claim 56,

wherein the resistive element is formed by a non-linear element manufactured in a same process as the pixel switching elements.

61. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;



an inspection-use display signal line for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements, the inspection-use display signal line being a common inspection-use display signal line provided for the data-line inspection-use switching elements; and

a plurality of data-line inspection-use control signal lines for inputting control signals for switching on/off the data-line inspection-use switching elements, the plurality of data-line inspection-use control signal lines being provided for the data-line inspection-use switching elements so that different control signals are inputted to adjacent data lines, the plurality of data-line inspection-use control signal lines being connected to the data lines through the data-line inspection-use switching elements in correspondence with a plurality of display colors of pixels;

the method comprising the step of displaying colors by sequentially switching control signals supplied to the plurality of data-line inspection-use control signal lines, while supplying the inspection-use display signal to the inspection-use display signal line.

62. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements; and

a plurality of inspection-use display signal lines

for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines, the plurality of inspection-use display signal lines being connected to the data lines through the data-line inspection-use switching elements in correspondence with a plurality of display colors of pixels;

the method comprising the step of displaying colors by sequentially switching the inspection-use display signals supplied to the plurality of inspection-use display signal lines, while supplying the control signals to the data-line inspection-use control signal line.

63. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel

switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements, the inspection-use display signal line being a common inspection-use display signal line provided for the data-line inspection-use switching elements; and

a plurality of data-line inspection-use control signal lines for inputting control signals for switching on/off the data-line inspection-use switching elements, the plurality of data-line inspection-use control signal lines being provided for the data-line inspection-use switching elements so that different control signals are inputted to adjacent data lines;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning

lines, for controlling a supply of inspection-use scanning signals;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being a common scanning-line inspection-use control signal line provided for the scanning-line inspection-use switching elements; and

a plurality of inspection-use scanning signal lines for supplying inspection-use scanning signals to the scanning lines through the scanning-line inspection-use switching elements, the plurality of inspection-use scanning signal lines being provided for the scanning-line inspection-use switching elements so that different scanning signals are inputted to adjacent scanning lines;

the method comprising the step of sequentially switching the control signals supplied to the data-line inspection-use control signal lines and the scanning-line inspection-use control signal line, while measuring an electric resistance between the inspection-use display signal line and any of the inspection-use scanning signal lines and an input terminal for inputting a signal to the opposing

substrate.

64. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of inspection-use display signals;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements;

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of inspection-use scanning signals;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being a common scanning-line inspection-use control signal line provided for the scanning-line inspection-use switching elements; and

a plurality of inspection-use scanning signal lines for supplying inspection-use scanning signals to the scanning lines through the scanning-line inspection-use switching elements, the plurality of inspection-use scanning signal lines being provided for the scanning-line inspection-use switching elements so that different scanning signals are inputted to

adjacent scanning lines;

the method comprising the step of sequentially switching the control signals supplied to the data-line inspection-use control signal line and the scanning-line inspection-use control signal line, while measuring an electric resistance between the inspection-use display signal lines and any of the inspection-use scanning signal lines and an input terminal for inputting a signal to the opposing substrate.

65. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements,



individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements;

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being provided for the scanning-line inspection-use switching

elements connected to the scanning lines; and

a plurality of inspection-use scanning signal lines for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements, the plurality of inspection-use scanning signal lines being provided for the scanning-line inspection-use switching elements connected to the scanning lines so that different scanning signals are inputted to adjacent scanning lines;

the method comprising the step of measuring an electric resistance between the plurality of inspection-use display signal lines, and between the plurality of inspection-use scanning signal lines, and/or between any two kinds of wiring of the inspection-use display signal lines, the inspection-use scanning signal line, and the common electrode, while supplying the control signals for switching on the data-line inspection-use switching elements and the scanning-line inspection-use switching elements to the data-line inspection-use control signal line and the scanning-line inspection-use control signal line, respectively.

66. A method of inspecting an active-matrix-type

liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

a data-line inspection-use control signal line for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line being a common data-line inspection-use control signal line provided for the data-line inspection-use switching elements;

a plurality of inspection-use display signal lines for supplying inspection-use display signals to the data lines through the data-line inspection-use

switching elements, the plurality of inspection-use display signal lines being provided for the data-line inspection-use switching elements so that different display signals are inputted to adjacent data lines;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

a scanning-line inspection-use control signal line for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines;

an inspection-use scanning signal line for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements, the inspection-use scanning signal line being provided for the scanning-line inspection-use switching elements connected to the scanning lines; and

auxiliary capacity wiring provided between adjacent scanning lines in parallel with the scanning lines;

the method comprising the step of measuring an

electric resistance between the plurality of inspection-use display signal lines, and/or between any two kinds of wiring of the inspection-use display signal line, the inspection-use scanning signal line, the common electrode and the auxiliary capacity wiring, while supplying the control signals for switching on the data-line inspection-use switching elements and the scanning-line inspection-use switching elements to the data-line inspection-use control signal line and the scanning-line inspection-use control signal line, respectively.

67. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements;

the method comprising the step of inspecting the liquid crystal display panel while applying light to the data-line inspection-use switching elements.

68. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel

switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements;

the method comprising the step of inspecting the liquid crystal display panel while applying light to the scanning-line inspection-use switching elements.

69. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim

62,

wherein, when switching on the data-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the data-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the data-line inspection-use control signal line.

70. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 63,

wherein, when switching on the data-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the data-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the data-line inspection-use control signal line.

71. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 64,

wherein, when switching on the data-line inspection-use switching elements in inspecting the



liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the data-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the data-line inspection-use control signal line.

72. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 65,

wherein, when switching on the data-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the data-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the data-line inspection-use control signal line.

73. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 66,

wherein, when switching on the data-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the data-line inspection-use switching elements not

larger than 500 k $\Omega$  is applied to the data-line inspection-use control signal line.

74. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 63,

wherein, when switching on the scanning-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the scanning-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the scanning-line inspection-use control signal line.

75. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 64,

wherein, when switching on the scanning-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the scanning-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the scanning-line inspection-use control signal line.

76. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 65,

wherein, when switching on the scanning-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the scanning-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the scanning-line inspection-use control signal line.

77. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 66,

wherein, when switching on the scanning-line inspection-use switching elements in inspecting the liquid crystal display panel, a gate voltage for making a resistance value between a source and a drain of each of the scanning-line inspection-use switching elements not larger than 500 k $\Omega$  is applied to the scanning-line inspection-use control signal line.

78. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating

substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements;

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements, the data-line inspection-use control signal line and the inspection-use display signal line having input

terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being located on a single side or opposing two sides of the active matrix substrate;

the method comprising the step of inspecting a mother substrate by attaching an inspection-use jig thereto before dividing the mother substrate into a plurality of active-matrix-type liquid crystal display panels, the mother substrate having the plurality of active-matrix-type liquid crystal display panels arranged in rows so that the input terminals of the plurality of the active-matrix-type liquid crystal display panels are aligned in a direction of the side where the input terminals are located.

79. A method of an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements, the scanning-line inspection-use control signal line and the inspection-use scanning signal line having input terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being located on a single side or opposing two sides of the active matrix substrate;

the method comprising the step of inspecting a

mother substrate by attaching an inspection-use jig thereto before dividing the mother substrate into a plurality of active-matrix-type liquid crystal display panels, the mother substrate having the plurality of active-matrix-type liquid crystal display panels arranged in rows so that the input terminals of the plurality of the active-matrix-type liquid crystal display panels are aligned in a direction of the side where the input terminals are located.

80. A method of inspecting an active-matrix-type liquid crystal display panel including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines,

for controlling a supply of an inspection-use display signal;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements,



the data-line inspection-use control signal line, the scanning-line inspection-use control signal line, the inspection-use display signal line, and the inspection-use scanning signal line having input terminals, the input terminals and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel being located on a single side or opposing two sides of the active matrix substrate;

the method comprising the step of inspecting a mother substrate by attaching an inspection-use jig thereto before dividing the mother substrate into a plurality of active-matrix-type liquid crystal display panels, the mother substrate having the plurality of active-matrix-type liquid crystal display panels arranged in rows so that the input terminals of the plurality of the active-matrix-type liquid crystal display panels are aligned in a direction of the side where the input terminals are located.

81. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 78,

wherein inspection-use wiring of a same kind in adjacent liquid crystal display panels are electrically

connected to each other on the mother substrate.

82. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 79,

wherein inspection-use wiring of a same kind in adjacent liquid crystal display panels are electrically connected to each other on the mother substrate.

83. The method of inspecting the active-matrix-type liquid crystal display panel as set forth in claim 80,

wherein inspection-use wiring of a same kind in adjacent liquid crystal display panels are electrically connected to each other in the mother substrate.

84. A method of inspecting an active-matrix-type liquid crystal display panel by attaching an inspection-use jig to a mother substrate having a plurality of the active-matrix-type liquid crystal display panels arranged in rows, before dividing the mother substrate into individual pieces of the active-matrix-type liquid crystal display panels, each of the active-matrix-type liquid crystal display panels including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

data-line inspection-use switching elements, individually connected to the plurality of data lines, for controlling a supply of an inspection-use display signal;

an inspection-use display signal line, provided for the data-line inspection-use switching elements, for supplying an inspection-use display signal to the data lines through the data-line inspection-use switching elements; and

a data-line inspection-use control signal line, provided for the data-line inspection-use switching elements, for inputting control signals for switching on/off the data-line inspection-use switching elements,

wherein, on the mother substrate, inspection-use

wiring of a same kind in adjacent liquid crystal display panels are electrically connected to each other, and input terminals of the data-line inspection-use control signal line and the inspection-use display signal line and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel are formed in an end section of the mother substrate with regard to a direction the liquid crystal display panels are connected, the end section belonging to none of the liquid crystal display panels.

85. A method of inspecting an active-matrix-type liquid crystal display panel by attaching an inspection-use jig to a mother substrate having a plurality of the active-matrix-type liquid crystal display panels arranged in rows, before dividing the mother substrate into individual pieces of active-matrix-type liquid crystal display panels, each of the active-matrix-type liquid crystal display panels including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a

plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween;

scanning-line inspection-use switching elements, individually connected to the plurality of scanning lines, for controlling a supply of an inspection-use scanning signal;

an inspection-use scanning signal line, provided for the scanning-line inspection-use switching elements, for supplying an inspection-use scanning signal to the scanning lines through the scanning-line inspection-use switching elements; and

a scanning-line inspection-use control signal line, provided for the scanning-line inspection-use switching elements, for inputting control signals for switching on/off the scanning-line inspection-use switching elements;

wherein, on the mother substrate, inspection-use wiring of a same kind in adjacent liquid crystal display panels are electrically connected to each other, and input terminals of the scanning-line

inspection-use control signal line and the inspection-use scanning signal line and an input terminal for inputting a signal to the common electrode in inspecting the liquid crystal display panel are formed in an end section of the mother substrate with regard to a direction the liquid crystal display panels are connected, the end section belonging to none of the liquid crystal display panels.

86. A method of inspecting an active-matrix-type liquid crystal display panel by attaching an inspection-use jig to a mother substrate having a plurality of the active-matrix-type liquid crystal display panels arranged in rows, before dividing the mother substrate into individual pieces of active-matrix-type liquid crystal display panels, each of the active-matrix-type liquid crystal display panels including:

an active matrix substrate having on an insulating substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween; and

an inspection-use display signal line, provided for the plurality of data lines, for supplying an inspection-use display signal,

wherein, on the mother substrate, a plurality of the active-matrix-type liquid crystal display panels are arranged in a direction of the data line, and a plurality of data lines in each liquid crystal display panel are connected to an inspection-use display signal line thereof via a region of an adjacent liquid crystal display panel.

87. A method of inspecting an active-matrix-type liquid crystal display panel by attaching an inspection-use jig to a mother substrate having a plurality of the active-matrix-type liquid crystal display panels arranged in rows, before dividing the mother substrate into individual pieces of active-matrix-type liquid crystal display panels, each of the active-matrix-type liquid crystal display panels including:

an active matrix substrate having on an insulating

substrate: a plurality of pixel electrodes; pixel switching elements individually connected to the pixel electrodes; and a plurality of scanning lines and a plurality of data lines, provided in a lattice form, for driving the pixel electrodes through the pixel switching elements;

an opposing substrate having a common electrode, the opposing substrate being adhered to the active matrix substrate with a liquid crystal layer therebetween; and

an inspection-use scanning display signal line, provided for the plurality of scanning lines, for supplying an inspection-use scanning signal;

wherein, on the mother substrate, a plurality of the active-matrix-type liquid crystal display panels are arranged in a direction of the scanning line, and a plurality of scanning lines in each liquid crystal display panel are connected to an inspection-use scanning signal line thereof via a region of an adjacent liquid crystal display panel.